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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
POLLUTION REPORT

DATE: JANUARY 31, 1995

FROM: PETE GURIA, OSC, RESPONSE SECTION 2, CHICAGO, IL

TO:

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M.RETZLAFF, ILLINOIS ENVIRONMENTAL PROTECTION AGENCY....(VIA-FAX)
CHICAGO FIRE DEPARTMENT.....(VIA-FAX)

SUBJECT: DAVID CHEMICAL SITE, REMOVAL ACTION, CHICAGO, IL

LATITUDE: 41°52'09.3" LONGITUDE: 87°44'30.4"

POLREP NO.: 10

SITE ID NO.: XG DELIVERY ORDER NO. : 5001-05-356

RESPONSE AUTHORITY: CERCLA NPL STATUS: NON-NPL

START DATE: OCTOBER 18, 1994

COMPLETION DATE:

1. SITUATION:

- A. Site has remained secure. SDI security providing 24 hour armed security service.
- B. Weather: Temperatures have ranged from 7° F to the mid 30's. Rain/sleet fell during the entire day on 1/19. Although no snow accumulated on-site this day, Up to 8 inches of snow accumulated in suburbs and city areas to the west and north.
- C. Labor intensive site and waste stream consolidation has been completed. Disposal of waste streams continuing. Activity limited to shipment of remaining drummed wastes and conducting sampling activities to determine the extent of chromium contamination in the soil underlying and surrounding the building. On 1/18 two crew members were demobed from the site, remaining work will be performed by a 4 member team.
- D. EPA, ERCS and TAT demobilize site on 1/27 for U.S. EPA OSC training. During this week it is expected that remaining waste streams will be scheduled for shipment. ERCS T&D coordinator is finalizing facility approval of 2 of the 6 remaining waste streams during the week of 2/6.

2. ACTIONS TAKEN:

Waste stream disposal continues as shown in the table below:

Waste Disposal Summary Table			
Waste Stream	Date Shipped	Volume	Treatment Facility
Caustic Liquids	Jan 16, 1995	1,800 gal	Heritage, Lemont, IL
Flammable Solids	Jan 19, 1995	32 drums	Heritage, Lemont, IL
Flammable Liquids	Jan 19, 1995	37 drums	Heritage, Lemont, IL
Chromic Acid	Jan 23, 1995	4,376 gal	Inmetco, Ellwood City, PA
Base/Neutral Liquids	Jan 24, 1995	14,000 gal	Environmental Services, South Bend, IN
Chrome Debris	Jan 25, 1995	19 yd ³	Chem Met, Wyandote, MI
Aluminum Paste	Jan 25, 1995	54 drums	Perma-Fix, Dayton, OH

- A. Transportation planning continues: Drums of acid solid, base sludge, chrome sludge, phenol, crushed drums, and 11 aluminum paste overpacks remain to be shipped off site. Additional decon water that is generated and collected during future activities be shipped off-site for treatment as needed.
- B. Crew completed de-heading all mt closed top drums on 1/16 in preparation for drum crushing. On 1/20 all drums and metal buckets on-site were crushed and loaded into a roll-off box for disposal. 245 drums and 1086 buckets were crushed in preparation for shipping.
- C. On 1/26 and 1/27 the crew performed confined space entries into the rented storage tanks for decontamination purposes. The 4,900 gal chromic acid tank rented from Rain-for-Rent was returned on 1/26. On 1/27 the crew decontaminated two 4,000 gallon Baker tanks for return.
- D. Air monitoring for volatile organic compounds, CO, and flammable vapor continues on a periodic basis during site activities. Levels of volatile organic's were found to increase significantly during pumping and deconning of the base/neutral liquid tanks, requiring the crew to upgrade to level B protection on 1/25 and 1/26.

3. PLANS:

- A. RES T&D Coordinator trying to schedule transportation of the remaining aluminum paste, acid solids, base sludge, and phenol waste streams. A total of 7 waste streams remain on site pending disposal. Expect to complete disposal by 2/24.
- B. PRPs awaiting analytical results of chromic acid sludge. Once analytical is received, PRPs to schedule shipment of the 6 drums.
- C. Ship 20 yd³ roll-off box of crushed steel drums and pails to Envirosafe Services of Ohio mid February.
- D. Continue open lines of communication with local City and State officials.
- E. TAT currently drafting sampling plan for extent of contamination (EOC) activities. Sampling efforts to assist in determining the levels and migration routes of Cr⁺⁶ beneath and surrounding the building. RES coordinating Geoprobe sampler through their team subcontractor: ESE. Expect to begin sampling by 2/13. Results will be evaluated to determine contaminant removal of affected areas.

4. KEY ISSUES:

- A. Level and extent of chromium contamination in the soil and sewer lines from the building may force demolition of the structure. The lower portion of the cinder block walls are notably discolored indicating saturation of contaminants. The decision to demolish will be based on the results of the EOC and background levels for chromium and other metals in the area.
- B. Site must remain secure between the sampling activities and demolition activities. The possibility exists that the property owner would return to the building and resume illegal operations. Considerations are being given to permanently securing all doorways and access points until the EOC is completed.

5. COSTS:

- A. Case open;
- B. Costs through 01/27/95;

	<u>BUDGETED</u>	<u>TOTAL to DATE</u>	<u>REMAINING</u>
ERCS	\$ 637,775 ⁽¹⁾	\$ 532,654.11	\$ 105,120.89
TAT	108,000	82,869.28	25,130.72
USEPA-DIR	29,700	19,875.00	9,825.00
USEPA-INDR	54,900	38,035.95	14,549.85
TOTALS	\$ 830,375	\$ 676,566.07	\$ 154,626.46

(1) Includes a delivery order ceiling increase of \$97,275.

END